

ABSTRACT

**Intruding object detecting apparatus, and setting apparatus,
setting process and setting confirmation process therefor**

Provided are an intruding object detecting apparatus (a radiowave sensor) capable of setting an arbitrary detection region, an apparatus for setting the detection region and a setting process. An intruding object detecting apparatus 51 is installed in a corner of a room 53, a coordinate system is defined in which a location of the intruding object detecting apparatus 51 is an origin thereof, and coordinates are a distance r from the intruding object detecting apparatus and a scanning angle θ of a transmission antenna/reception antenna of the intruding object detecting apparatus, and a state corresponding to the coordinate system is stored (b) in a storage means; thereby enabling the detection region 52 of the intruding object detecting apparatus can be arbitrarily set. Moreover, the setting can be performed with ease using a reflector or a transmitter, or alternatively, using a setting apparatus constituted of the reflector and the transmitter, combined.

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